9025 USER'S MANUAL

TABLE OF CONTENTS

RACK MOUNT INSTALLATION

RECEIVER, 9025, 25 MODULE, SINGLE TIER • PART # 310 104 114

The 25 Module Receiver is designed to fit into a standard 19" rack. It is equipped with a locking handle to ensure your contacts are engaged. A standard integrated microswitch shuts off power when the ITA disengages from the Receiver.

TOOLS REQUIRED

Phillips head screwdriver
Flat head screwdriver
$^{3}/_{32}$ Allen Wrench

INSTALLATION INSTRUCTIONS

1. Install clip/cage nuts on rack, to correlate with mounting holes on receiver.

2. Place receiver over clip/cage nuts on rack, making sure they are aligned (Figure A).
   NOTE: This rack mount version of the 9025 receiver does not come with mounting hardware, but the clearance holes on the receiver are drilled for .190-32UNF screws.

2. Tighten screws in a cross pattern to ensure even torque is applied.

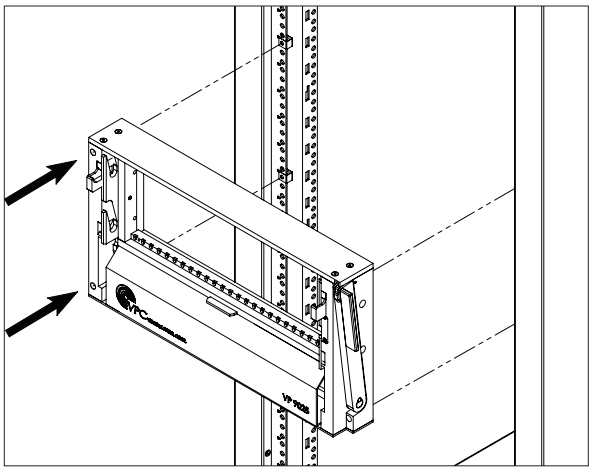

Figure A. Mounting 9025 Receiver.

VERTICAL HINGED MOUNTING FRAME INSTALLATION

8U HINGED MOUNTING FRAME • PART # 310 113 316
9U HINGED MOUNTING FRAME • PART # 310 113 320
RECEIVER, 9025, 25 MODULE, SINGLE TIER • PART # 310 104 114

The Vertical Hinged Mounting Frame allows the 9025 Receiver to hinge down allowing access to instrumentation and wiring.

TOOLS REQUIRED
Phillips head screwdriver
Flat head screwdriver
$^{3}/_{32}$ Allen Wrench

INSTALLATION INSTRUCTIONS

1. Using the 4 receiver mounting holes attach the receiver to the Vertical Hinged Mounting Frame (VHMF) with the 1" 10-32 socket head cap screws, lock washers, and Hex nuts included with the VHMF (**Figures A and B**).

2. Determine an appropriate location in the rack to mount the VHMF and receiver. Keep in mind that the cables connecting to the receiver need to be long enough to allow the VHMF to hinge down.
   NOTE: The "Cable Management" section of the catalog can be used as a guide.

3. Attach the VHMF to the rack in the desired location using the 4 mounting screws (**Figure C**). Tighten screws in a cross pattern to ensure even torque is applied.

4. When not in use, ensure that the receiver handle is closed and the VHMF is in the closed position, secured with the 2 captive screws (**Figure D**).

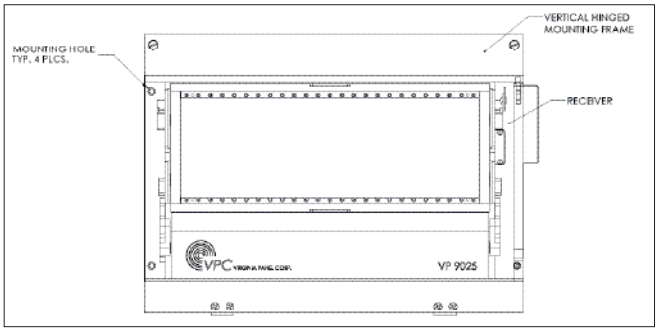

Figure A. Receiver assembled with vertical hinged mounting frame.

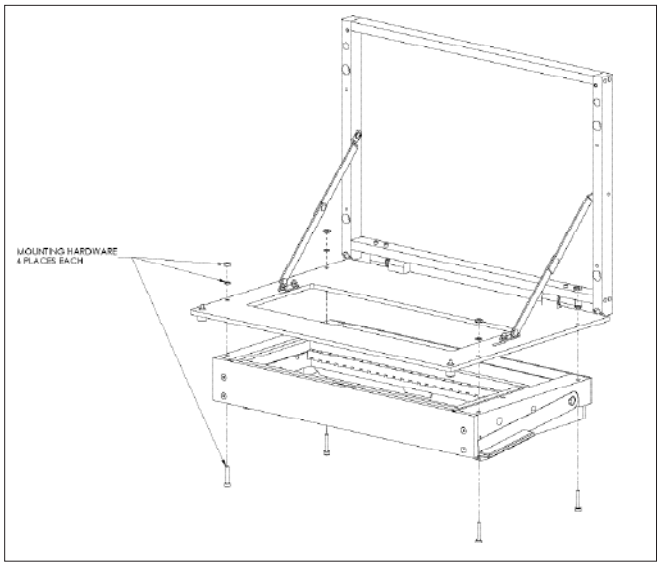

Figure B. Attach receiver to VHMF using provided hardware.

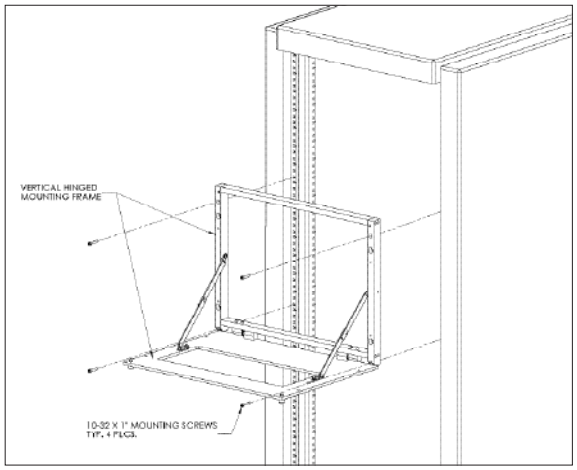

Figure C. Attach the VHMF to the rack.

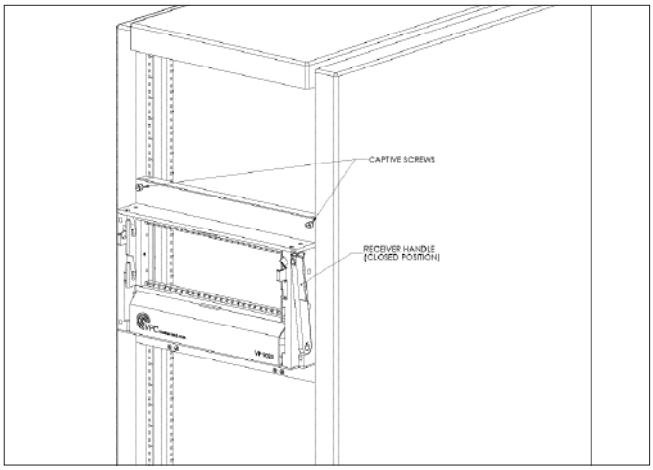

Figure D. Captive screws secure receiver to rack when not in use.

SLIDE CONFIGURATION INSTALLATION - 9025TR

RECEIVER, 9025TR, 25 MODULE, WITH 20" PLATFORM • PART # 310 104 363
28" SLIDE KIT (FITS 28"– 30" DEEP RACKS [711.2 – 762]) • PART # 310 113 451
30" SLIDE KIT (FITS 30" – 32" DEEP RACKS [762 – 812.8]) • PART # 310 113 411
36" SLIDE KIT (FITS 34" – 38" DEEP RACKS [863.6 – 965.2]) • PART # 310 113 500

Slides are used with the 9025 and 9025TR receiver. The receiver includes a mounting bracket kit and hardware. Choose your slide kit based on the distance from rail to rail and verify that the slides will not interfere with the rack enclosure. Each kit will support 180 lbs.

TOOLS REQUIRED

Phillips head screwdriver
Flat head screwdriver
$^{3}/_{32}$ Allen Wrench

Dimensions shown: [millimeters]
inches

DETERMINE YOUR SLIDE KIT

1. Measure dimension A to determine the proper slide kit, ensuring the slide length does not exceed dimensions A + B (**Figure A**).

LOCATE AND MOUNT SLIDES

1. Determine an appropriate location in the rack to mount the slides and receiver. Keep in mind that the cables connecting to instrumentation not placed on the instrument bracket will need to be long enough for the slides to fully extend without putting tension on the cables.
   NOTE: The "Cable Management" section of the Master catalog can be used as a guide.

2. Install slides using manufacturer's instructions. A hard copy is included with the shipment (www.accuride.com/Resources/pdf/3507-r4-0309.pdf). Make sure the same position mounting holes are used for each side of the front and back brackets. Do not fully tighten down the 4 front and 4 rear mounting screws at this time (**Figure B**).

4. Remove the innermost section of each slide by extending the slide fully, depressing the tab, and continue extending the inner section of the slide until it is free from the slide assembly (**Figure C**).

5. Install the instrument bracket and/or cable tray onto the inner sections of the slide kit following the Instrument Bracket Installation instructions and/or Cable Tray Installation instructions found in Section 5.

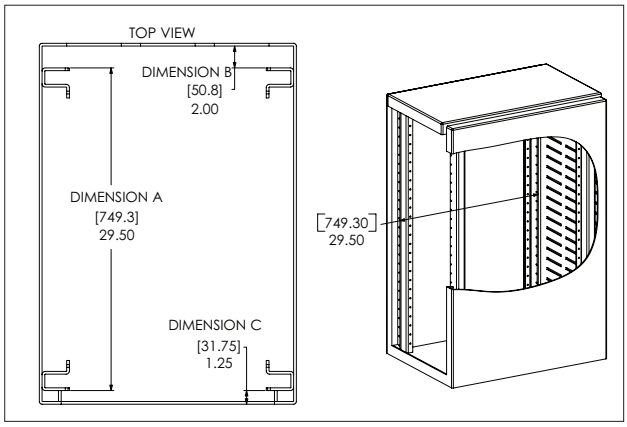

Figure A. If dimension C exceeds 1" use the Rack Extender Kit, Part # 310 113 406.

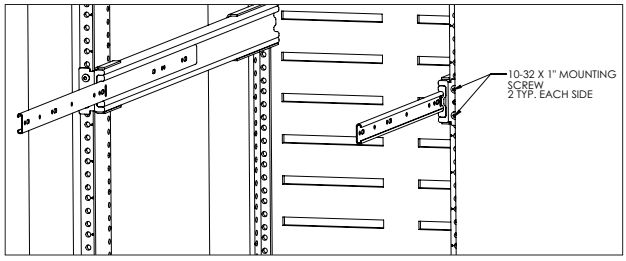

Figure B. Slides installed into rack.

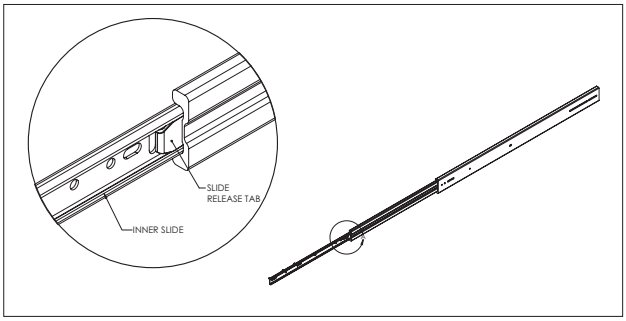

Figure C. Remove inner section of slide from assembly.

SLIDE CONFIGURATION INSTALLATION - 9025TR

RECEIVER, 9025TR, 25 MODULE, WITH 20" PLATFORM • PART # 310 104 363
28" SLIDE KIT (FITS 28"– 30" DEEP RACKS [711.2 – 762]) • PART # 310 113 451
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36" SLIDE KIT (FITS 34" – 38" DEEP RACKS [863.6 – 965.2]) • PART # 310 113 500

INSTALLATION - 9025TR

1. Install inner slides back into slide kit in the rack.

2. Attach the platform mounting flanges to the inner slide rails using the six 8-32 button head screws provided with the receiver (**Figure C**). Do not fully tighten down the screws.

3. Install the 9025TR platform/receiver onto the platform mounting flanges with the six 8-32 screws (**Figure D**). Do not fully tighten down the screws.

4. Pull the receiver out as far as possible. The slides will lock in position. Push the blue tabs located on the middle section of the slides. Apply pressure to push the receiver back in toward the rack. The smaller inner slides move into the middle section, which should not move. Push receiver until it backs into the rack (**Figure E**).

5. Secure the receiver to the rack using the captive 10-32 screws (**Figure F**). Be sure to lift up on the platform slightly to ensure an even engagement of the screws.

6. Fully tighten screws in this order:
   - 6 8-32 platform mounting screws (as shown in **Figure D**).
   - 6 8-32 button head platform mounting flange screws (as shown in **Figure C**).
   - 2 accessible front slide mounting screws (**Figure E**).
   - 4 rear slide mounting screws.

7. Unscrew the 10-32 captive screws and slide the receiver out.

8. Fully tighten the top two front slide mounting screws.

ALWAYS SUPPORT THE RECEIVER AND PLATFORM WITH THE MOST ROBUST (MIDDLE) SECTION OF THE SLIDES.

To ensure proper support when extending the receiver and table away from the rack, stop the receiver and platform at approximately 6" from the rack. Reach around to the rear of the receiver to the slides underneath on both sides. Manually extend the middle section of the slides forward until fully underneath the platform. The receiver and platform may then be extended while holding this middle slide in place. If completed properly, the middle section of the slides will remain underneath the platform and offer the strongest support. Secure receiver to the rack.

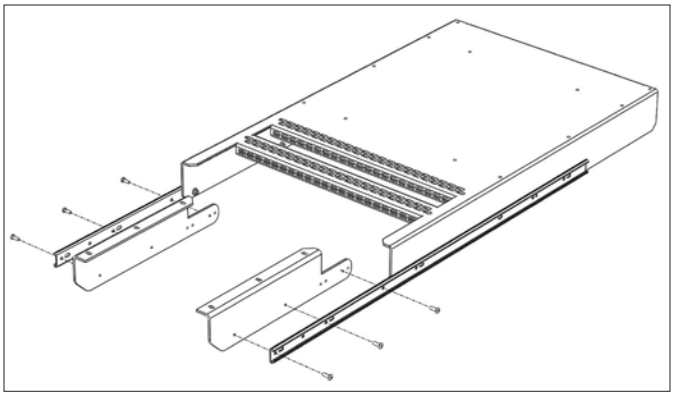


Figure C.

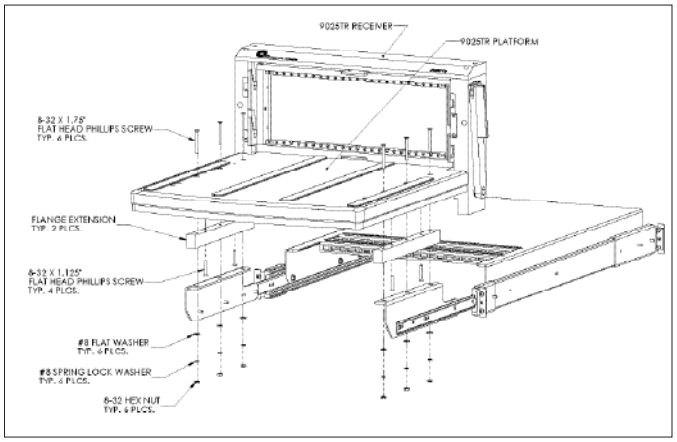


Figure D.

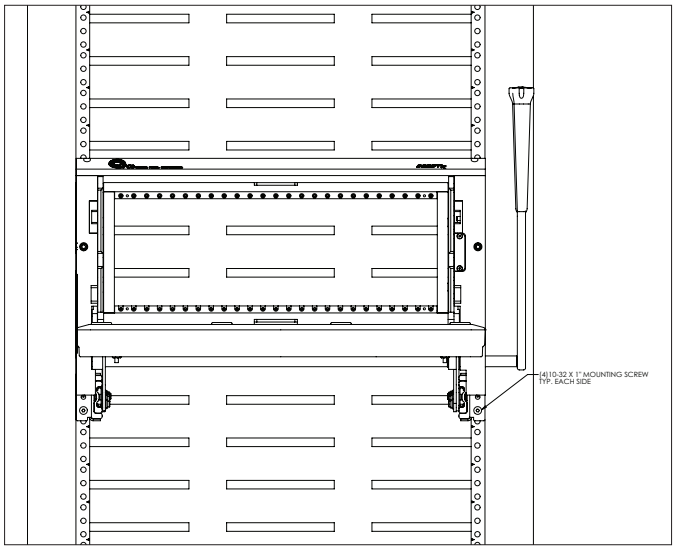
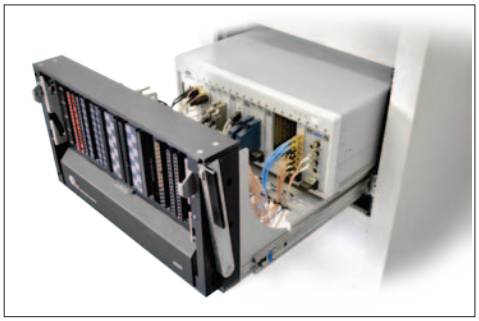


Figure E.

SLIDE CONFIGURATION INSTALLATION - 9025

RECEIVER, 9025, 25 MODULE, WITH SLIDE MOUNTING KIT • PART # 310 104 387
28" SLIDE KIT (FITS 28"– 30" DEEP RACKS [711.2 – 762]) • PART # 310 113 451
30" SLIDE KIT (FITS 30" – 32" DEEP RACKS [762 – 812.8]) • PART # 310 113 411
36" SLIDE KIT (FITS 34" – 38" DEEP RACKS [863.6 – 965.2]) • PART # 310 113 500

Slides are used with the 9025 and 9025TR receiver. The receiver includes a mounting bracket kit and hardware. Choose your slide kit based on the distance from rail to rail and verify that the slides will not interfere with the rack enclosure. Each kit will support 180 lbs.



Dimensions shown: [millimeters]
inches

TOOLS REQUIRED

Phillips head screwdriver
Flat head screwdriver
3/32 Allen Wrench

DETERMINE YOUR SLIDE KIT

1. Measure dimension A to determine the proper slide kit, ensuring the slide length does not exceed dimensions A + B (**Figure A**).

LOCATE AND MOUNT SLIDES

1. Determine an appropriate location in the rack to mount the slides and receiver. Keep in mind that the cables connecting to instrumentation not placed on the instrument bracket will need to be long enough for the slides to fully extend without putting tension on the cables.
   NOTE: The "Cable Management" section of the Master catalog can be used as a guide.

2. Install slides using manufacturer's instructions. A hard copy is included with the shipment (www.accuride.com/Resources/pdf/3507-r4-0309.pdf). Make sure the same position mounting holes are used for each side of the front and back brackets. Do not fully tighten down the 4 front and 4 rear mounting screws at this time (**Figure B**).

4. Remove the innermost section of each slide by extending the slide fully, depressing the tab, and continue extending the inner section of the slide until it is free from the slide assembly (**Figure C**).

5. Install the instrument bracket and/or cable tray onto the inner sections of the slide kit following the Instrument Bracket Installation instructions and/or Cable Tray Installation instructions found in Section 5.

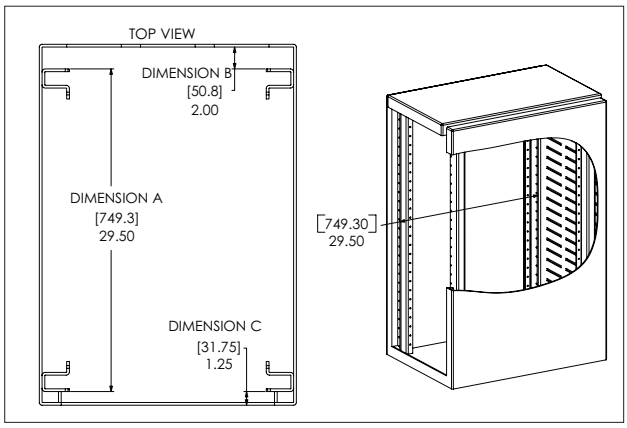


Figure A. If dimension C exceeds 1" use the Rack Extender Kit, Part # 310 113 406.

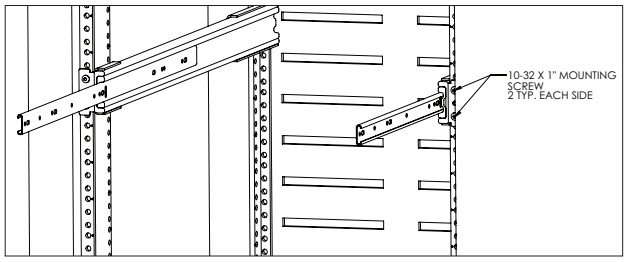


Figure B. Slides installed into rack.

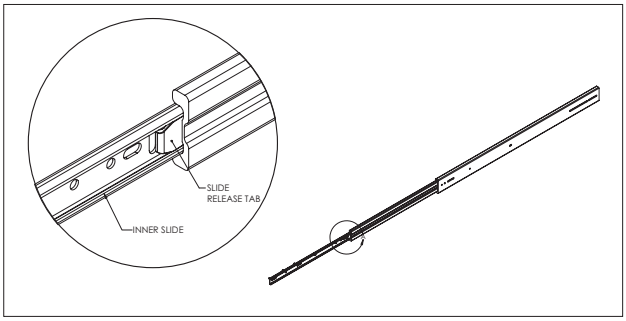


Figure C. Remove inner section of slide from assembly.

SLIDE CONFIGURATION INSTALLATION - 9025

RECEIVER, 9025, 25 MODULE, WITH SLIDE MOUNTING KIT • PART # 310 104 387
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INSTALLATION - 9025

1. Attach each receiver mounting flange to the appropriate slide using the provided 3 8-32 button head screws per side. Ensure that the mounting surface portion of the flange is directed toward the outside of the overall assembly (**Figure D**).

2. Re-install the inner slide assembly into the rack by aligning each inner slide with the slide assembly in the rack (**Figure E**). With the inner section inserted into the center section of the slide assembly, push the mounting flanges toward the rack, collapsing the slides. It may be necessary to depress the locking tabs, if the slides are locked in the extended position.

3. Pull the slide assembly out to enable access to the mounting flanges.

4. Using the provided 8 8-32 flat head screws, attach the receiver to the mounting flanges and spacers (**Figure F**).

NOTE: When moving the rack or attaching an ITA, ensure the slides are fully collapsed and receiver is secured to rack with .190-32 UNF screws.

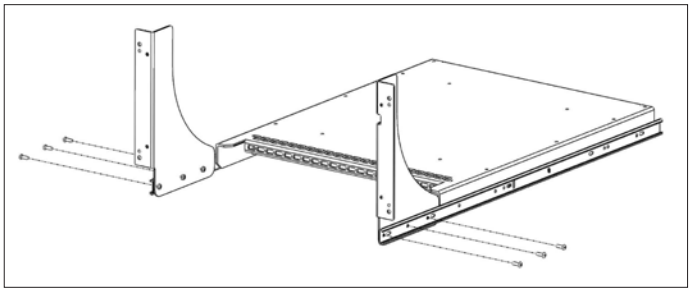


Figure D.

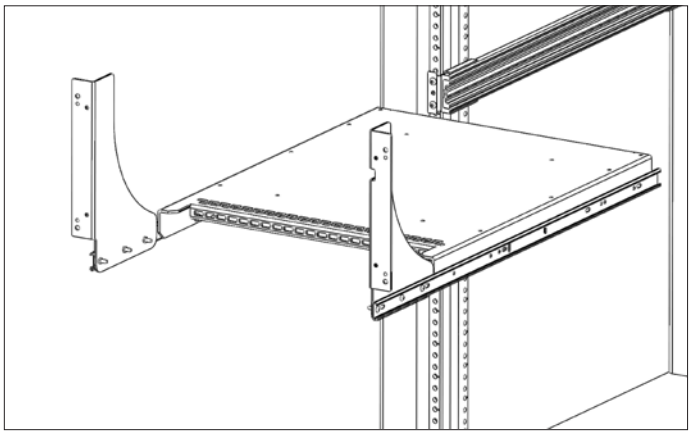


Figure E.

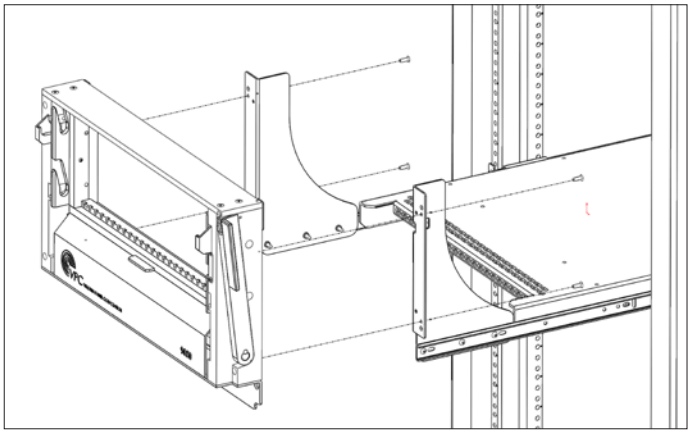


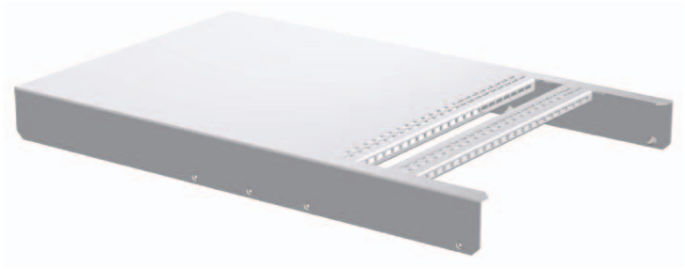
Figure F.

INSTRUMENT BRACKET INSTALLATION

PART # 310 113 453

The instrument brackets mount to the inner slide and provide maintenance access to the chassis and the instruments.

NOTE: This instrument bracket kit does not work with the 20" or 24" slide kits.



TOOLS REQUIRED

5/32 Allen Wrench
Phillips Head Screwdriver

INSTALLATION

1. Depress the blue tab on the inner slide and remove.

2. Attach one of the brackets to the slide using three #8-32 button head screws. The left bracket assembly is shown in **Figure A**.

3. Attach the remaining bracket to the other inner slide. If you are also installing a cable tray, do so before reinstalling the slides and attaching the plate. See Cable Tray Installation instructions in this section.

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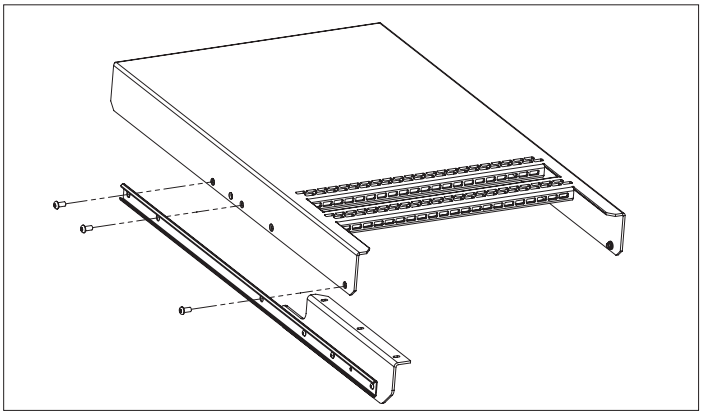


Figure A. The brackets are identical parts and only the front two holes on each bracket are designed to line up with the slides.

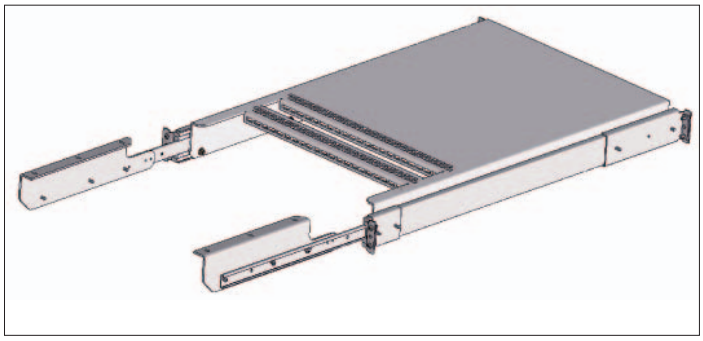


Figure B. The slots on the instrument brackets are designed to accept a strap should you want to secure your chassis.

INSTRUMENT BRACKET INSTALLATION

PART # 310 113 453

5. Reinstall the inner slides.
   - Slide the left mid-section of the slide all the way out, you will feel it lock into position.
   - Feed the matching inner slide into position and ensure the inner section rides into place with the roller bearings seated into the groove.
   - Push the inner slide in about 6-8 inches and then pull out the right side. Slide the track of the mid-section over the right side of the inner slide.
   - Pull the slide out until the position matches the left side.
   - Reach to the back of the middle slides and release the spring locking mechanism (**Figure C**).

   NOTE: At this time, both sides should be partially installed when it will no longer proceed into the rack because the support tab on the instrument brackets will hit the slide mounting bracket.

Figure C. Spring-locking mechanism.

6. Rotate both instrument brackets inward so the support tabs can pass the mounting brackets. Continue to push (install slides simultaneously) into position. Remember to push the blue tabs to allow the inner slide to continue to travel into the middle slide section.

   NOTE: The middle section will not go into the outer section until the inner section has been fully installed into the middle section.

7. Tighten the slide mounting screws.

MAKE SURE ALL SCREW HEADS HAVE BEEN SECURELY TIGHTENED. ONLY USE 8-32 BUTTON HEAD SCREWS.

KEYBOARD TRAY KIT INSTALLATION

PART # 310 113 439

The Keyboard Tray Kit mounts below the platform on the slide-mounted 9025TR receiver. The kit includes a keyboard with touchpad and 58" long USB connector, keyboard tray, and 12" slides.

TOOLS REQUIRED

3/32 Allen wrench

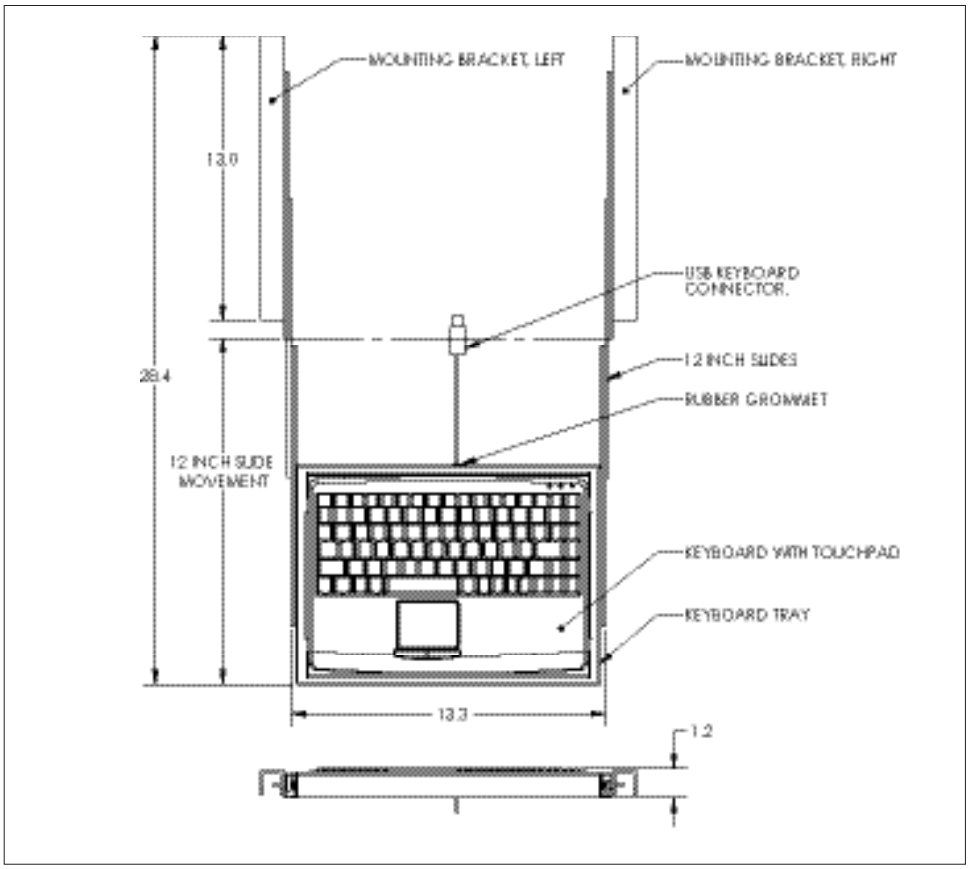


Figure A. Keyboard Tray Kit, Part # 310 113 439, includes components listed above and mounting hardware.

KEYBOARD TRAY KIT INSTALLATION

PART # 310 113 439

INSTRUCTIONS

1. Attach the keyboard mounting brackets to the existing platform mounting brackets. Use the #8-32 nuts and lock washers to secure the keyboard mounting brackets to the three screws extending from the platform mounting brackets (**Figure B**).

2. Use the #8-32 button head screws to attach the 12" slides to the inner side of the keyboard brackets. The manufacturer stamped identification on the slides should be placed toward the rack. You need to adjust the position of the slides to access the hole locations. Hole locations are shown in **Figure C**.

3. Insert the keyboard into the keyboard tray. Wrap the plastic strain relief around the cable near the back of the keyboard and press into the hole provided on the keyboard tray.

4. Fully extend the 12" slides and mount the keyboard tray, (**Figure D**). The different hole patterns allow for variations in the overall extension of the keyboard tray.

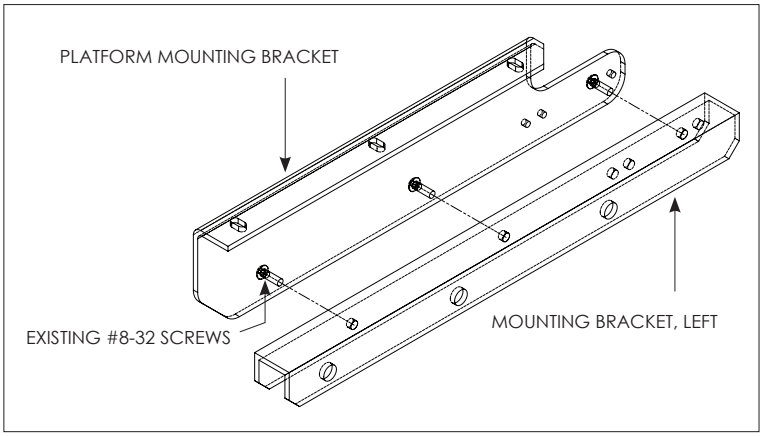


Figure B. Orient the keyboard mounting brackets to align with the three screws that extend beyond the platform mounting bracket.

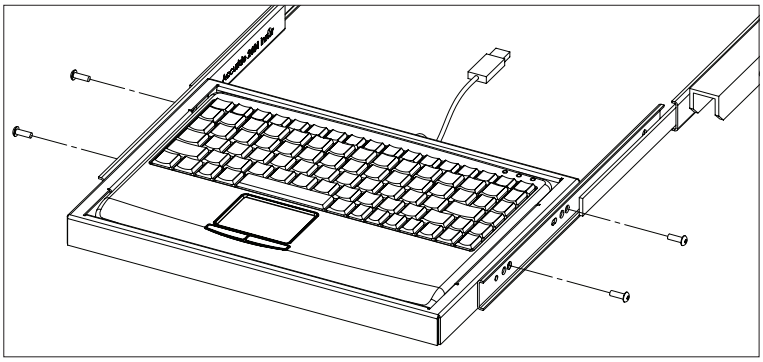


Figure C. There are floating, self-locking fasteners in the keyboard mounting brackets which prevent the screws from backing out. You will notice the snug fit when tightening the screws.

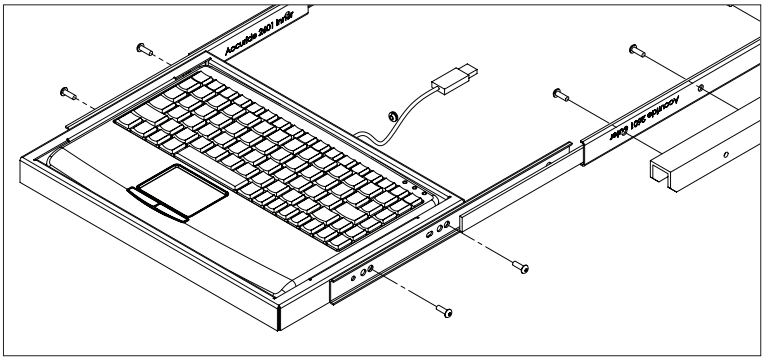
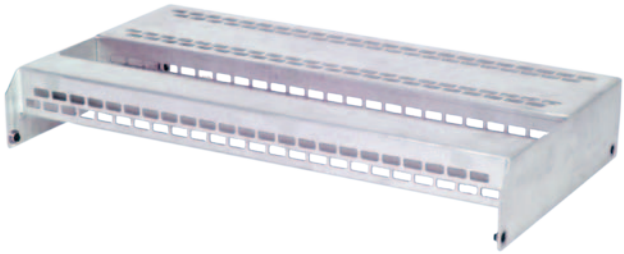


Figure D. The remaining 4 #8-32 button head screws are used to attach the keyboard tray to the slides.

CABLE TRAY INSTALLATION

PART # 310 113 424

The cable tray is used for strain relief and cable management. The horizontal and vertical flanges provide tie down options that allow you to bend and route your cables where you want and also present a secure and reliable way to protect your investment.



NOTE: The cable tray does not work with the 20" or 24" slide kits or the instrument bracket kit with strain relief.

TOOLS REQUIRED

$^{3}/_{32}$ Allen wrench

INSTRUCTIONS

1. Loosen the slide mounting screws by one turn.

2. Depress the blue tab and remove the inner slides.

3. Attach the cable tray to the slides with #8-32 screws as shown in **Figure A**.

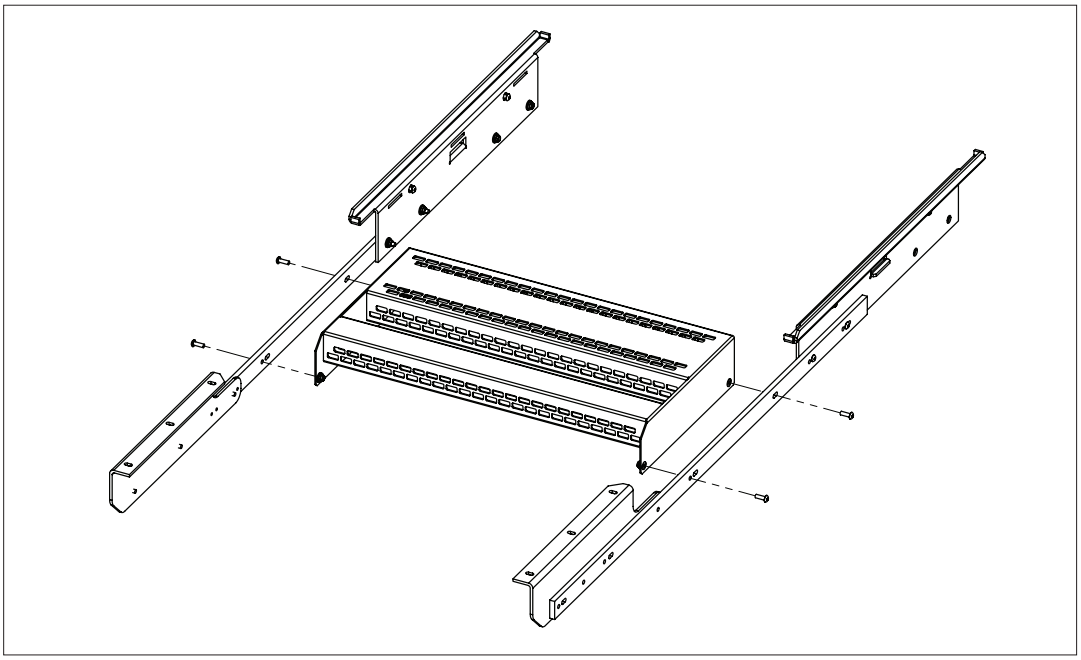


Figure A. The angled side of the cable tray should face the receiver, and with shorter slide kits the cable tray will sit below the lip of the instrument brackets.

4. Install the inner slides and cable tray assembly into the rack. See Instrument Bracket Installation instructions for more detail.

5. Tighten the slide mounting screws.

PLATFORM REMOVAL

RECEIVER, 9025TR, 25 MODULE, WITH 20" PLATFORM • PART # 310 104 363

The platform is removable to allow easier packing and moving of the instrument rack.

TOOLS REQUIRED

5/32 Ball End Allen Wrench or Ball Driver
Phillips Head Screwdriver
Zip Ties

INSTRUCTIONS

1. Secure receiver to rack using 10-32 mounting screws (**Figure A**).

2. Remove any optional accessories including keyboard tray, leg kit, and instrument bracket.

3. With the receiver secured to the rack, remove the 6x 8-32 mounting screws from the bottom of the 9025TR to remove the platform (**Figure B**).

4. Remove the 8-32 screws that attach the platform brackets to the slides. The platform will now be free from the receiver and slides. The platform brackets do not need to be removed from the platform for transportation.

5. To secure the slides for transport, return the slides to the closed position and use zip tie to secure the 3 sections of each slide.

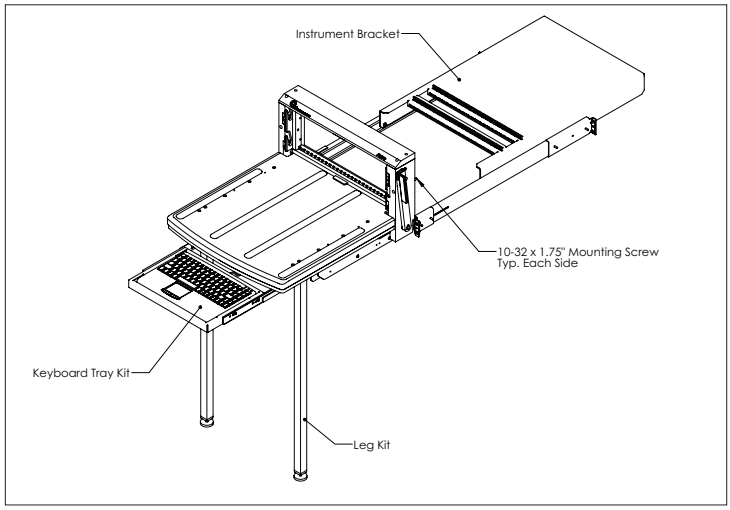


Figure A. The platform can be removed from the receiver only after the receiver has been secured to the rack.

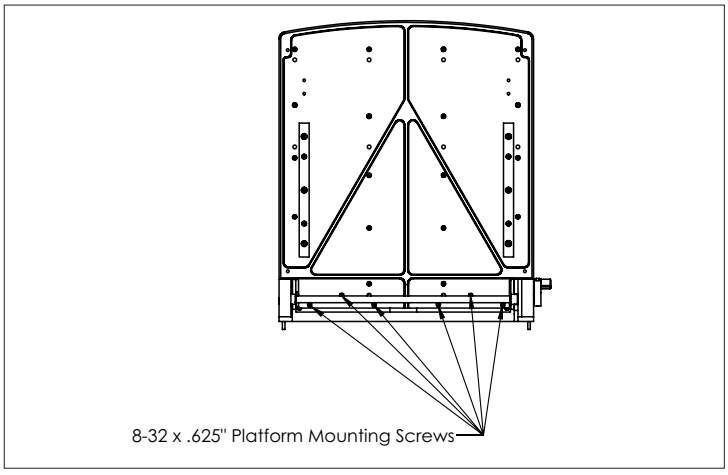


Figure B. The six mounting screws must be removed from the receiver before the platform can be removed.

PLATFORM INSTALLATION

INSTRUCTIONS

1. Remove the zip ties used to secure the slides.

2. Attach the platform with brackets to the slides using 6x 8-32 mounting screws (**Figure C**).

3. Slide the platform to the closed position and install the 6x 8-32 mounting screws to attach the platform to the 9025TR receiver.

4. Re-install any optional accessories.

5. Once the platform has been re-attached to the 9025TR and the slides, remove the 10-32 mounting screws shown in **Figure A**.

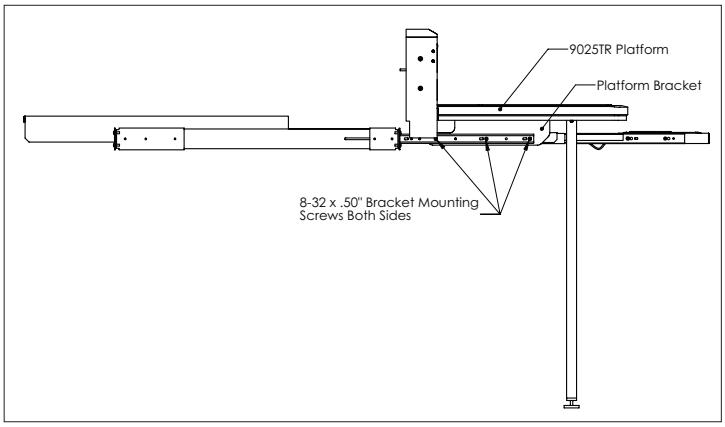


Figure C. The brackets will be securely attached to the slides after the mounting screws are installed.

MICRO-SWITCH REMOVAL AND INSTALLATION

PART # 310 113 200

A microswitch is used in the 90 Series/VXI receivers to determine the presence (or absence) of an ITA engaged in the system. It is usually configured so that power to the interface is turned off when there is no ITA present. An integrated microswitch is standard on the 25 and 50 module receivers.

TOOLS REQUIRED

Phillips Screwdriver

REMOVAL INSTRUCTIONS

1. Disengage the ITA from the receiver (remove the ITA completely).

2. With the receiver handle still in the open position (handle is down), unscrew the two plate retaining screws (using a Phillips screwdriver) that are located immediately below the top right engaging mechanism/slot - this will expose the Microswitch.

3. Remove the necessary modules so that the Microswitch retaining screws may be accessed.

4. Unscrew the retaining screws (using a Phillips screwdriver), removing each as they are loosened (caution should be used so that the screw(s) do not fall into the system).

5. Carefully remove the Microswitch for continuity testing.

For Microswitch installation, repeat steps 1 - 5 in reverse order.

AS WITH ALL ELECTRICAL SYSTEMS - DISCONNECT ALL ELECTRICAL SUPPLIES TO THE SYSTEM PRIOR TO REMOVAL OF MICROSWITCH.

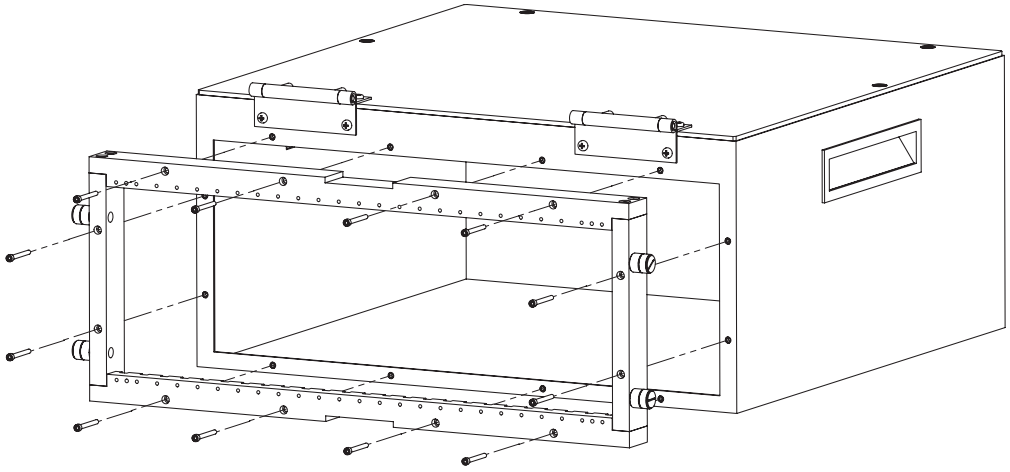
ITA ENCLOSURE

ENCLOSURE, 25 MODULE, HUNGED COVER PLATE, 4" DEEP • PART # 410 112 198
ENCLOSURE, 25 MODULE, HINGED COVER PLATE, 8" DEEP • PART # 410 112 273
ITA, 9025, 25 MODULE, SINGLE TIER • PART # 410 104 111

The 9025 Enclosure is available to meet your testing needs. Custom enclosures are also available if the standard one is not applicable to your test system.

TOOLS REQUIRED

3 mm Allen Wrench
Phillips Head Screwdriver



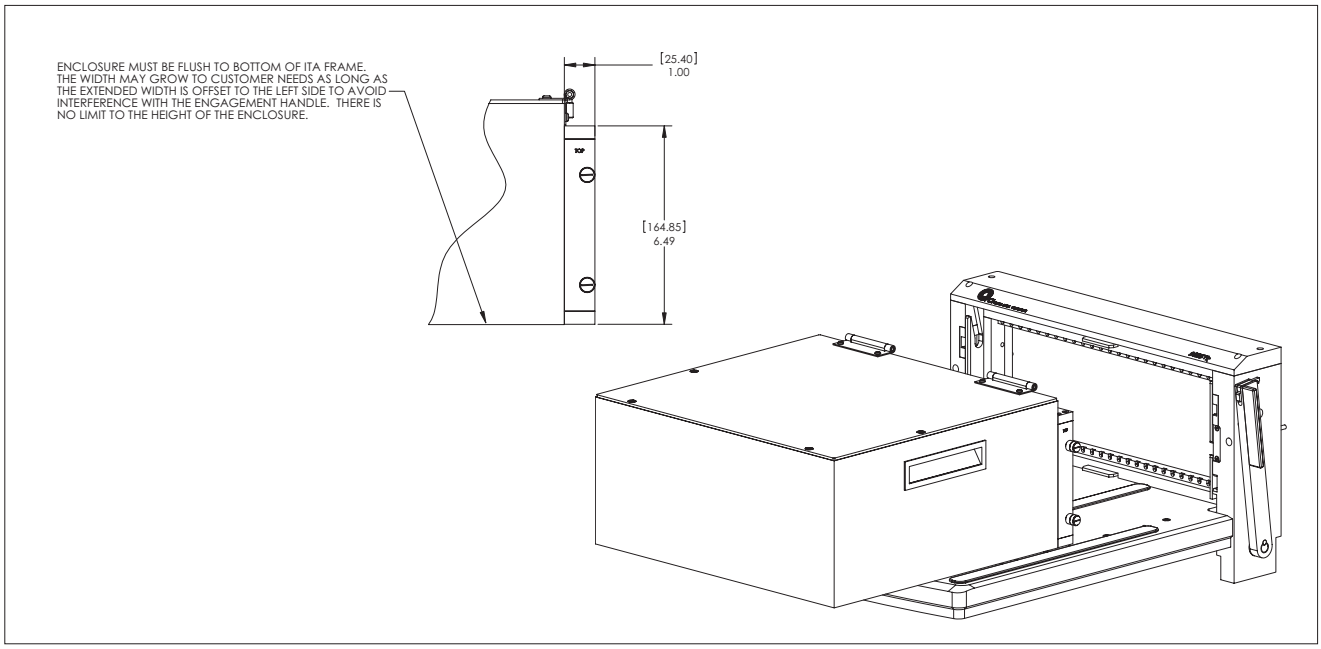


Figure A. Enclosures must be flush with the ITA bottom to ensure the proper function of the 9025TR.

Dimensions shown: [millimeters]
inches

HANDLE REMOVAL AND REPOSITIONING

RECEIVER, 9025TR, 25 MODULE, WITH 20" PLATFORM • PART # 310 104 363

The 9025TR receiver handle requires approximately 90° of counter-clockwise travel for engagement and 90° of clockwise travel for disengagement of the ITA. This handle is removable and adjustable to accommodate different mounting configuration requirements and for transport purposes.

TOOLS REQUIRED

3/32 Allen Wrench

REMOVAL INSTRUCTIONS

1. Remove the handle set screw with a 3/32 Allen wrench.
2. Remove the handle and reposition in 90˚ increments.
3. Replace the screw and tighten until the handle is secured tightly.

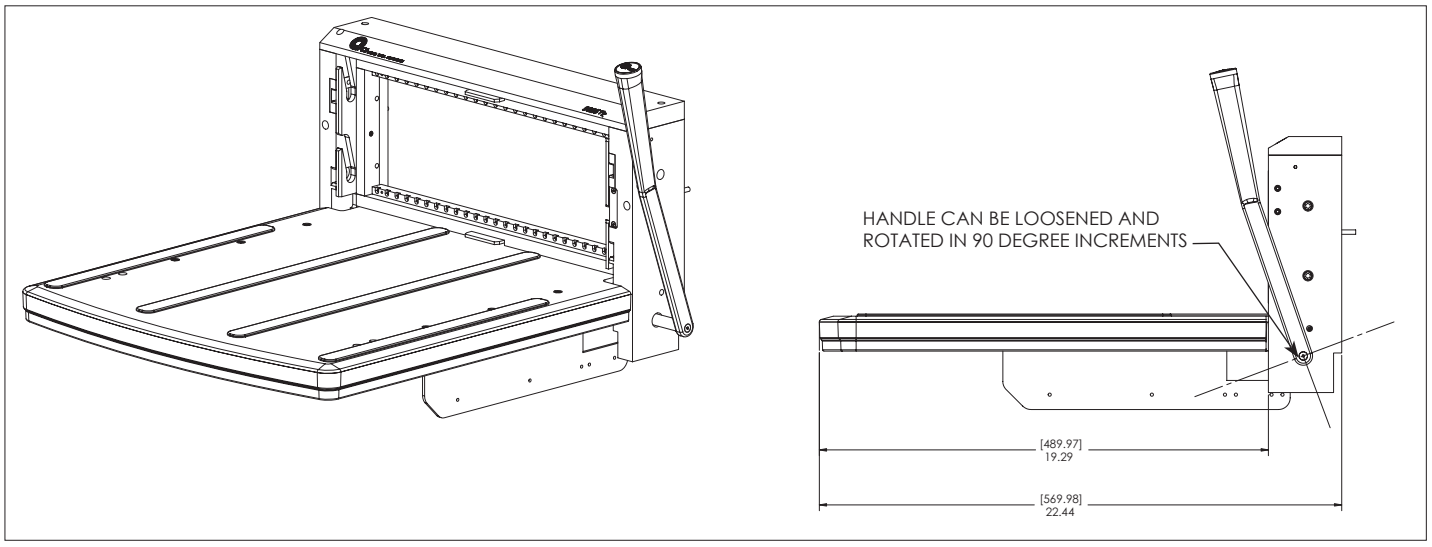


Figure A. 9025TR Receiver handle can be rotated in 90 degree increments to support test station set up needs.

Dimensions shown: [millimeters]
inches

ITA & RECEIVER ENGAGEMENT

Prior to engaging an ITA with the receiver for the first time, ensure all modules (ITA and receiver) are properly installed. This involves inspection of modules to ensure proper mounting and to verify module positioning. module positions are shown in **Figure A**. Modules must be installed such that Pin 1 of each respective mating receiver and ITA module pair are adjacent. VPC recommends that Pin 1 always be positioned to the left in the receiver and ITA frames. All ITA modules must match the respective receiver modules. It is crucial for all modules to be installed properly.

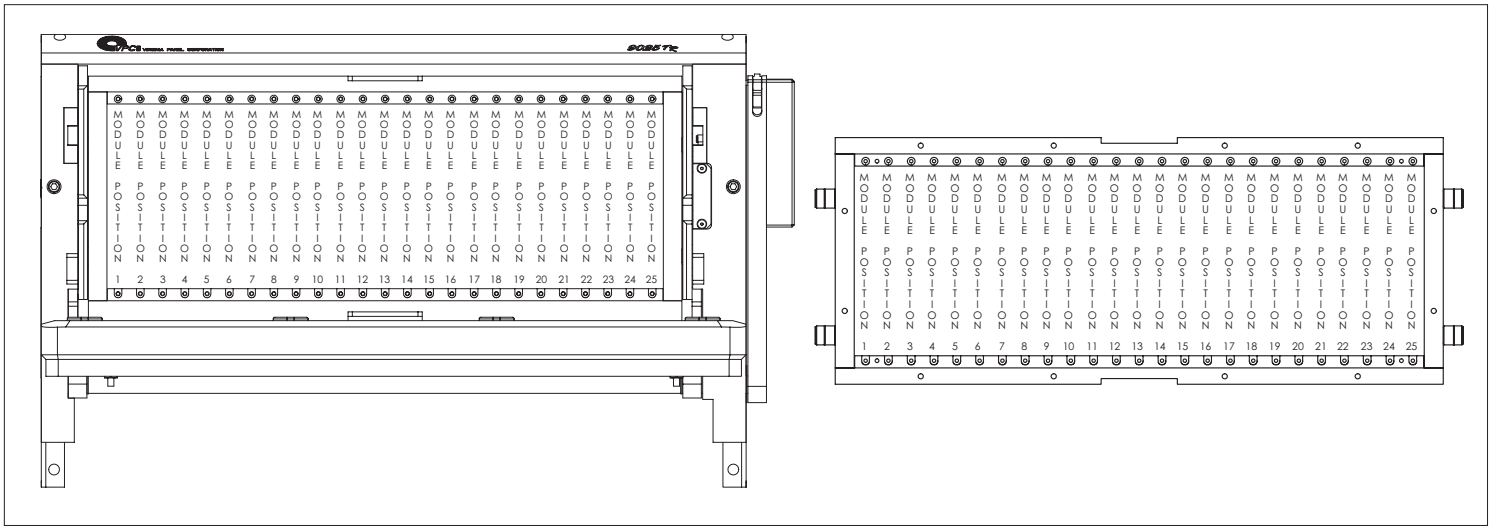


Figure A. 9025 Receiver and ITA.

1. The receiver should be checked for any foreign objects that may interfere with engagement.
2. After inspection, the ITA is ready for engagement with the receiver. The ITA may be placed onto the receiver platform and properly positioned relative to the receiver guide pins. Ensure that the ITA roller bearings are aligned with the receiver slide openings when the receiver handle is in the open position.
3. Carefully rotate the handle forward to actuate the receiver slide engagement mechanisms, which will draw the ITA into engagement position with the receiver. Once the handle reaches a positive stop at the end of its travel and latches into place, the modules are engaged.
4. Upon completing use of the ITA, rotate the receiver handle to the open position, remove the ITA, reinstall the receiver protective cover and rotate the handle to the closed position.
5. Always protect the contacts when the system is not in use. The receiver contacts are protected when either the ITA or receiver Protective Cover is engaged. VPC recommends use of both receiver and ITA Protective covers to avoid potential contact damage.

IMPROPER INSTALLATION WILL DAMAGE THE MODULES, AND POSSIBLY THE ITA AND/OR RECEIVER.

IN THE EVENT OF COMPLICATIONS, A TRAINED TECHNICIAN SHOULD BE NOTIFIED IMMEDIATELY TO AVOID ANY DAMAGE TO THE SYSTEM. THIS APPLIES TO ANY DIFFICULTIES THAT MAY BE EXPERIENCED DURING ENGAGEMENT.

TROUBLESHOOTING

ITA frame is not lined up when in the process of engagement with receiver

- This may indicate that the ITA is out of alignment or that a module is not mating with its intended module.
- Remove and inspect the ITA for alignment,
- Check for foreign objects/tools.
- Inspect the matching of modules -power ITA module to mate with power receiver module, etc.

Excessive force is needed to engage the handle

- With a typical contact load, approximately 35lbs force is needed to engage the handle. Consult with a VPC application engineer for detailed contact loading information.
- If excessive force is required, this may indicate that the ITA is out of alignment or that a module is not mating with its intended module.
- Remove and inspect the ITA for alignment. Contact VPC – unauthorized user adjustments to system will void the warranty.
- Check for foreign objects/tools.
- Contact damage may provide enough resistance to notice. Upon replacing a contact in the ITA, the mating contact on the receiver side should also be inspected and replaced if necessary.
- Verify the orientation of the receiver and ITA modules.
- Inspect the matching modules - power ITA module to mate with power receiver module, etc.

ITA will not engage with the receiver after diagnosing the above problems

- Contact Virginia Panel Corporation – unauthorized user adjustments to the system will void the warranty.

No continuity upon engagement

- When replacing an ITA contact, the mating contact on the receiver side should also be inspected and replaced if necessary.
- Check wiring and replace if necessary.
- Contact not secured in module.
- A contact may be damaged. Visually check all contacts for damage to potentially isolate damaged pin prior to checking for continuity with a multi-meter.

A "short " in the wiring upon engagement

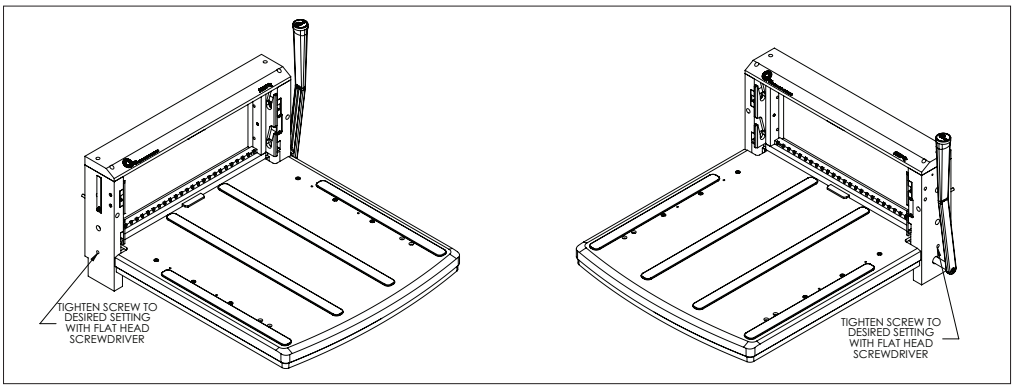
- A damaged contact(s) may cause high resistance. Upon replacing a contact in the ITA, the mating contact on the receiver side should also be inspected and replaced if necessary.
- Check wiring and replace if necessary.

Receiver and ITA will not disengage

- This may indicate that the engagement mechanism within the receiver is faulty -contact VPC immediately- user adjustments to system, unless authorized, will void the warranty.

Handle feels/appears loose

- Refer to drawing:



FORCEFUL ENGAGEMENT OF THE RECEIVER AND THE ITA WILL RESULT IN SERIOUS DAMAGE TO MULTIPLE PARTS OF THE SYSTEM (MODULES, RECEIVER, ITA AND CONTACTS)!

PRECAUTIONARY NOTES

The following is a listing of precautionary notes found within this manual and otherwise. They should be noted and followed for the equipment to operate at an optimum state.

- Never probe a contact without using a mating patchcord as a test lead.
- Never forcefully engage a system if there is an excessive amount of resistance on the handle.
- Never allow an ITA to drop as this may cause misaligned engagement and/or irreparable damage.
- Always insert and extract a contact insertion/extraction tool in line with the contact. Never apply pressure to the side as this may break either contact or tool. This also applies to forming and enlarging tools.
- It is advisable that power to the interface system be disconnected prior to handling and maintenance.
- Caution should always be used when engaging, making sure that all foreign objects are removed from the system.
- The foremost precautionary step that needs to be taken is to protect the interface system from damage caused by people (bumping into the receiver/ITA assembly with a box, chair or electronic equipment for example). To prevent this, VPC recommends engaging either the ITA or the receiver protective cover to the receiver when not in use.